DRIVING EMBEDDED EXCELLENCE

ETAS

# INCA V7.1.3 HF1

## Release Notes

Release: January 28, 2014


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# Contents

1 Introduction ..... 5
1.1 Definitions and Abbreviations ..... 5
1.2 References ..... 5
1.3 Conventions ..... 5
1.4 User Documentation ..... 6
2 Product Definition ..... 6
2.1 Functions at a glance ..... 6
2.2 General Description ..... 6
2.2.1 Safety Notice ..... 6
2.2.2 System Prerequisites ..... 7
2.2.3 Software Prerequisites ..... 7
2.2.4 Restrictions ..... 8
2.2.5 Miscellaneous ..... 9
2.3 Delivery ..... 10
2.3.1 Used 3rd Party Software ..... 10
2.4 Installation ..... 10
2.4.1 Important Installation Hints ..... 10
2.4.2 Related Components ..... 11
2.5 Licensing ..... 11
3 Changes ..... 11
3.1 What's New ..... 11
3.2 Compatibility to Earlier Releases ..... 12
3.3 Known Issue Reports ..... 12
3.4 Known Issues ..... 12
3.4.1 Software related Items ..... 12
3.4.2 Hardware related Items ..... 13
4 Hints ..... 13
4.1 Compatibility with other INCA versions ..... 13
5 Refresh and Hotfix Information ..... 14
5.1 INCA V7.1.3 HF1 ..... 14
5.1.1 Recommended Installation ..... 14
5.1.2 Known Issues – Important Hints ..... 14
5.1.3 Bug Fixes ..... 14
5.2 INCA V7.1.3 ..... 14
5.2.1 Recommended Installation ..... 14
5.2.2 News ..... 14
5.2.3 New Features ..... 14
5.2.4 Solved Known Issues – Important Hints ..... 15
5.2.5 Open Known Issues – Important Hints ..... 15
5.2.6 Bug Fixes and Improvements ..... 16

5.3 INCA V7.1.2 HF 01 ..... 22
5.3.1 Recommended Installation ..... 22
5.3.2 Known Issues – Important Hints ..... 22
5.3.3 Bug Fixes ..... 22
5.4 INCA V7.1.2 ..... 22
5.4.1 Recommended Installation ..... 22
5.4.2 News ..... 23
5.4.3 New Features ..... 23
5.4.4 Open Known Issues – Important Hints ..... 23
5.4.5 Bug Fixes and Improvements ..... 25
5.5 INCA V7.1.1 ..... 32
5.5.1 Recommended Installation ..... 32
5.5.2 News ..... 32
5.5.3 New Features ..... 32
5.5.4 Known Issues ..... 33
5.5.5 Bug Fixes and Improvements ..... 33
6 Contact, Support and Problem Reporting ..... 39

# 1 Introduction

Dear customer, in this file you will find the latest information about our product INCA V7.1.

***IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V10.0 PRIOR TO USING INCA V7.1 WITH HARDWARE***

(Note: With the latest hotfix a higher HSP version must be used)

## 1.1 Definitions and Abbreviations

| Term/Abbreviation | Definition |
|---|---|
| CDM | Calibration Data Manager |
| EE | INCA Experimental Environment |
| EHI | ETAS Help Desk International |
| LiMa | ETAS License Manager |
| HSP | Hardware Service Pack |
| HF | Hotfix |
| HW | Hardware |
| MDA | INCA Measure and Data Analysis |
| MIP | Matlab Integration Package |
| MR | Multi-Recorders |
| OHI | Open Hardware Integration |
| OS | Operating System |
| KIR | **K**nown **I**ssue **R**eport – For severe Problem Reports which occur after a release, ETAS has introduced the Known Issue Report to inform affected customer immediately. The current Known Issues of former versions can be found on the ETAS website: http://www.etas.com/kir |
| PR | Problem Report |
| SP | Service Pack |
| SW | Software |
| VSD | Variable Selection Dialog |
| WB | Walkback, Inca system error |

## 1.2 References

none

## 1.3 Conventions

The following typographical conventions are used in this document:

| | |
|---|---|
| Choose **File →·Open**. | Menu commands are shown in boldface. |
| Click **OK**. | Buttons are shown in boldface. |
| Press <ENTER>. | Keyboard commands are shown in angled brackets. |

| | |
|---|---|
| The "Open File" dialog box is displayed. | Names of program windows, dialog boxes, fields, etc. are shown in quotation marks. |
| `Select the file setup.exe` | Text in drop-down lists on the screen, program code, as well as path- and file names are shown in the Courier font. |
| A *distribution* is always a one-dimensional table of sample points. | General emphasis and new terms are set in italics. |

### 1.4 User Documentation

The INCA user's documentation in PDF format can be found on the DVD or in the installation folder on the PC.

It can be called up from INCA via the menu item **? → Manuals and Tutorial** or via the Windows start – menu: **→ Program → ETAS → INCA 7.1 → Manuals and Tutorial.**

# 2 Product Definition

## 2.1 Functions at a glance

New functionality of INCA V7.1 is listed in the overview "INCA-V7.0-Whats-new.PDF".

You find the overview "INCA-V7.0-Whats-new.PDF" on the installation DVD in the folder "Documentation" or in the installation folder on the PC.

## 2.2 General Description

### 2.2.1 Safety Notice

Calibration activities influence the behavior of the ECU and the systems controlled by the ECU. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.
Only well trained personnel should be allowed to perform calibration activities.

Sending CAN messages influences the behavior of the CAN bus network and the systems connected to it. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.
Only well trained personnel should be allowed to perform CAN message sending activities.

Calibrate measurement (Write to RAM) activities influence the behavior of the ECU and the systems controlled by the ECU. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.
Only well trained personnel should be allowed to perform calibrate measurements activities.

### 2.2.2 System Prerequisites

The following minimum system prerequisites have to be met:

| | |
|---|---|
| **Required Hardware** | 2 GHz Processor<br>2 GB RAM<br>DVD-ROM drive (for installation)<br>Network adapter<br>Graphics with a resolution of at least 1024 x 768, 256 MB RAM, 16bit color and DirectX 9 |
| **Required Operating System** | Windows® XP SP3 (32bit) or higher,<br>Windows® Vista SP1 (32bit) or higher,<br>Windows® 7 SP1 (32 or 64bit*) or higher.<br>Windows 8 (32 / 64 bit*)<br>*) INCA uses the 32bit compatibility mode on a 64-bit operating system.<br>(English, French, Japanese, Chinese and German OS version supported) |
| **Required Free Disk Space** | 1 GB (not including the size for user data; absolute min. required, but not recommended) |

The following system prerequisites are recommended:

| | |
|---|---|
| **Recommended Hardware** | 3 GHz Quad-Core Processor or equivalent<br>4 GB RAM<br>DVD-ROM drive (for installation)<br>Network adapter<br>Graphics with a resolution of at least 1280 x 1024, 1GB RAM, 32bit color and DirectX 9 |
| **Recommended Operating System** | Windows® 7 SP1 64bit (INCA uses the 32bit compatibility mode on a 64-bit operating system)<br><br>(English, French, Japanese, Chinese and German OS version supported) |
| **Recommended Free Disk Space** | >10 GB |
| **Recommendation on Performance** | Investigation on performance showed:<br>- More Memory improves execution time of repetitive operations<br>- SSD hard disks improve the file access times |

### 2.2.3 Software Prerequisites

Important notes:

- In order to use INCA the user needs read and write access to the registry path HKEY_LOCAL_MACHINE\Software\ETAS (for more details about user privileges, please refer to the user manual chapter "User Privileges Required for Installation and Operation").
- If the user wants to switch between INCA 7.1 and former INCA versions on the same PC INCA, the COM server settings in the Windows registry are re-registered with each switch. Therefore to switch version the user needs Admin rights to the PC.

If only one INCA version is used this is not necessary. This is also no longer necessary with INCA 7.1 and later versions.

- Windows 7 Ultimate N
  EHI #97742 Minimum requirement to install INCA is an installation of Microsoft hotfix "Windows6.1-KB968211-x86".
- Hyperthreading is supported
- Multiple monitors may be used, but there is no special functionality in INCA for them.

### 2.2.4 Restrictions

WINDOWS® 95, WINDOWS® NT, WINDOWS® 98SE and Windows® 2000 are not supported.

The following hardware is no longer supported with Windows7:

- ES300
- KIC2 / ES585
- MAC2
- ES1000.1

INCA does not officially support PCMCIA adapters used in a Desktop PC for connecting the ES580. If communication problems occur with such an installation, ETAS cannot offer a solution. Please check at first whether the installation of the PC adapter and its driver software has been performed successfully.

INCA offers a mdf3 - 4Byte converter that is called MDF4 converter.

This converter converts MDF3 files to a special MDF format using 4 byte variables. This will not convert files to the new ASAM MDFV4.0 format. We have deliberately kept the old MDF4 name in INCA to ensure the COM-API is still compatible with earlier INCA versions.

When using triggers to start or stop a recording, the recording duration has to be at least 3 seconds. In case of a shorter recording duration INCA might not be able to record all events. A period of at least one second is required after a pause event, before the start trigger condition may trigger again. Otherwise INCA does not recognize the pause and does not include an appropriate pause comment into the recorded data file. This may lead to unexpected display results in the MDA.

Since V6.2.0 INCA allows parsing A2L files containing 2-byte characters.

However the following restrictions apply:

- 2-byte strings are not always displayed correctly
- copy and compare of 2-byte strings is only possible if source and destination have the same encoding

MDA/INCA - Calculated Signals:

- It is recommended to use '.' as decimal symbol for defining calculated signals
- Using library functions in formulas might causes some differences in the number of samples
- Measure time as input signal does not work correctly (INCA issue only)
- Dependency view is not able to show more the 5 levels of a cascade
- Using different rasters as bases for calculated signals might cause wrong results

CDF V2.0

- Rescale axis of Vector CDF files are rejected by INCA 6.2 (and subsequent)
  The reason is that Vector writes rescale axis in CDF V2.0 in a different way than INCA.

Write to RAM

- When using CSE for Write to RAM, values in scenarios can be edited only in PHYS representation.

ETAS INCA V7.1.0 introduces a new version of the target server component.

For this reason, with INCA V7.1.0 and ETAS Experiment Environment V3.3 (as well as with earlier versions of the experiment environment) simultaneous online operation will not be possible. E.g., if during bypass operation INCA V7.1.0 is used to measure and to calibrate on an ECU, Experiment Environment V3.3 cannot access the corresponding prototyping hardware (e.g. ES910) at the same time.

Recommendations:

- Use INCA V7.1 in combination with INCA-EIP V7.1 to access both the ECU and the prototyping hardware simultaneously. No compatibility restrictions apply in this case.
- Use INCA V7.0 for parallel operation with Experiment Environment V3.3.
- Use the succeeding version of the Experiment Environment (V3.4, which will be available with LABCAR-OPERATOR V5.2 and INTECRIO V4.4 later in 2013) for parallel operation with INCA V7.1.0.

### 2.2.5 Miscellaneous

Problems may arise with new scan engines of virus scan tools. To ensure the highest data security for data in the INCA database, the database is directly saved after every data change or access. This leads to a high amount of read/write cycles and this might initiate the scan engine of the virus scan tools to check the differences if the option 'scan all files' is set. This leads to a delay working with INCA. We recommend excluding all files of the INCA database from scanning.

Whenever uninstalling INCA, the included INCA uninstall program should be used. This ensures that all add-ons and other products installed with INCA are also uninstalled (except ETASData and ETAS License Manager). Never delete files or folders manually.

INCA differentiates between online (=visualization) and offline (=recording) data. However, online data may not be complete in high "system load situations". Offline data is being buffered internally and ensured to have no gaps in the recorded data file.

The INCA-MIP add-on (MATLAB Integration Package) uses by default the online data because data is always available for all devices at all times. For switching to offline data, an API command is available.

For Rapid prototyping purposes, the ES4xx module chain can be connected directly to the ES910. For measurement with INCA the ES4xx module chain shall be connected directly to the measurement setup (i.e. ES600)

The documentation provided in the PDF format can be viewed and printed using the Adobe Acrobat Reader, which is available free of charge at http://www.adobe.com

Updates for manuals in the PDF format won't be delivered with INCA refreshes to reduce the size of the file for download.

## 2.3 Delivery

The INCA software is delivered with an automatic installation routine on a DVD including the INCA software, documentation, tools, utilities, and further information. All software documentation is available in the Portable Document Format (PDF), which requires Adobe® Reader®.

If the installation routine does not start automatically execute the `autostart.exe` program on the DVD manually. Select your preferred language, then **Installation** and finally select **INCA V7.1 installation** first. The Hardware Service Pack (**HSP V10.0.0 Installation**) has also to be installed for proper operation.

### 2.3.1 Used 3rd Party Software

The 3rd Party Software used by INCA and its add-ons is listed in the document:

Open_Source_Software_in_INCA_7.1.3.pdf (in folder \Release_Notes\OpenSourceSoftware).

## 2.4 Installation

For details on installation select (after the automatic installation started from DVD) **Documentation → Getting Started INCA V7.1** , Chapter "Installing the Program" (or in INCA_Manual_R7.1_xx.pdf, Chapter “Installing the Programm”)

Please check also Chapter 10 (Troubleshooting) with information about setting of network adapter and personal firewall or what you can do if firewall block ETAS hardware and search for Ethernet hardware fails.

### 2.4.1 Important Installation Hints

- After the installation a reboot is required. This is also true for hotfix installations.
- MDA is no longer installed automatically with INCA.
  MDA is delivered on a separate CD, and must be installed independently.
- User shall not install/uninstall licenses while licensed software is online.
  Recommendation: Shut down product and manage licenses then.

### 2.4.2 Related Components

*Firmware*

***IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V10.0 PRIOR TO USING INCA V7.1 WITH HARDWARE.***

The Hardware Service Pack (HSP) V10.0 is also included on the installation DVD.

*ES4xx and ES6xx (Daisy-Chain) Support*

Support of these modules is provided by a separate Daisy-Chain add-on.

The INCA installation medium contains the latest version of the add-on available on the release date of INCA. It is installed automatically during the INCA installation. For new versions of the Daisy-Chain add-on please check our website. It is part of the INCA Service Pack.

*ETK Support*

Driver and configuration support of ETK/XETK modules is provided by a separate add-on 'ETK Drivers&Tools' (important hint: the ETK configuration tool is only available, when the add-on is installed). Additional (X)ETK tools or driver to support new (X)ETKs may become available independent of INCA releases.

This installation medium contains the latest version of the 'ETK Drivers&Tools' add-on available on the date this INCA version is released. The add-on is installed automatically during the installation of INCA. For new versions of the 'ETK Drivers&Tools' add-on please check our website. It is part of the INCA Service Pack.

## 2.5 Licensing

INCA, MDA and some INCA add-ons are protected via electronic licensing.

In order to run and use the products, a license file is required that needs to be installed via the ETAS License Manager. The license manager is opened during the installation and can also be started at a later point as an external program located in the ETAS program folder in the Start menu.

The license file can be obtained through a self service portal on the ETAS website by using the software entitlement you received during the order process or it is provided by your tool coordinator.

# 3 Changes

This chapter describes changes with respect to the previous version of INCA V7.1.0.

## 3.1 What's New

See What's New slides of INCA: Select **Version Info → What's new presentation** on the automatic installation from DVD or INCA-V7.1-Whats-new.pdf.

## 3.2 Compatibility to Earlier Releases

In general compatibility to other INCA versions has been taken into account.
Known exceptions are: Experiments updated to INCA V7.1 cannot be used with former INCA versions. A back-porting mechanism is available: oscilloscopes are replaced by measurement tables.

For more details see Getting Started INCA Chapter *"New YT and XY Oscilloscope".* especially section "*Compatibility and conversion*"

## 3.3 Known Issue Reports

If a product issue develops, ETAS will prepare a Known Issue Report (KIR) and post it on the internet. The report includes information regarding the technical impact and status of the solution. Therefore you must check the KIR applicable to this ETAS product version and follow the relevant instructions prior to operation of the product.

The Known Issue Report (KIR) can be found here:

http://www.etas.com/kir

## 3.4 Known Issues

This section describes the set of known problems of the released version of INCA V7.1.0

### 3.4.1 Software related Items

| **Problem Number** | **Title** |
|---|---|
| EHI #330173 | INCA 7.1 Crashes when importing Workspace<br><br>In seldom case it might happen, that an import of a workspace will crash INCA sporadically (depends on project, installation, system) |
| EHI #326775 | INCA Crash During Morphee "Full Scan"<br><br>INCA Crash During Morphee "Full Scan" if MCD3 Server Options are set to "INCA Workspace Search" = "All Folders" and "INCA Project Search" = "All Folders". |
| EHI #74310 | Electronic Licensing - Valid local license not found when LAN connection deactivated<br><br>If the LAN connection may be automatically deactivated when the ethernet cable is not plugged anymore.<br>When using electronically licensed software products depending on the MAC-address, the application does not find a valid license and cannot be started because the MAC address cannot be identified. Ethernet adapter has to be active. |

| | |
|---|---|
| EHI #2008404287 | Excessive RAM usage with combined editor - accumulaton over long period of time (with many cycles)<br><br>With INCA 7.0 the memory leak is fixed for the table part.<br>For the graphical part the memory leak is not solvable.<br>For test bench applications the combined editor must be used in the "table only" mode. |

### 3.4.2 Hardware related Items

| **Problem Number** | **Title** |
|---|---|
| NA | NA |

## 4 Hints

### 4.1 Compatibility with other INCA versions

- INCA V7.1 introduces new functionality
- When designing and implementing this functionality, compatibility to other INCA versions has been taken into account
- Exchange of export files or databases with other INCA versions is possible
  - Easy, safe, and fast migration to INCA V7.1
  - Projects created in former INCA V6.x / V7.0 versions can be reused
  - Up and downward* compatibility allows using INCA in distributed development projects

    * Known exceptions are:
    Experiments updated to INCA V7.1 cannot be used with former INCA versions. A back-porting mechanism is available, which replaces oscilloscopes by measurement tables.

# 5 Refresh and Hotfix Information

A refresh installation updates an INCA 7.1 installation.

Important: It requires a full INCA V7.1 installation.

All refresh software updates are cumulative. The most recent refresh incorporates any changes introduced by previous refreshes.

At the same time other INCA Add-Ons will also be updated. The INCA V7.1 base installation and Add-On installation will be updated with help of the INCA Service Pack.

The following issues have been fixed in INCA V7.1.x refreshes as listed below.

History listed in reverse order.

## 5.1 INCA V7.1.3 HF1

### 5.1.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 including the INCA V7.1 HF only with help of the Service Pack (installer) of the INCA V7.1 SP

### 5.1.2 Known Issues – Important Hints

See INCA V7.1.3.

### 5.1.3 Bug Fixes

| EHI # | Title |
|---|---|
| **377855** | CAN UDS Queue is empty error |
| **385227** | CDM: Symbol for active dataset is not refreshed |
| **387192** | Exported datasets cannot be reimported without loss of QM data |
| **387421** | Associated Quality Meta Data is not imported into INCA with the Dataset |

## 5.2 INCA V7.1.3

### 5.2.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP

### 5.2.2 News

### 5.2.3 New Features

See What's News slides INCA V7.1 SP03 (INCA-V7.1-SP03-Whats-new.pdf)

### 5.2.4 Solved Known Issues – Important Hints

*Solved known issues of INCA V7.1.2 and former versions*

- EHI #375203 If CDM is opened from EE, operation in function mode, then the difference is not detected
  Solved with INCA 7.1.3
- # 364841 CCP "Quick start mode" - "Save Configuration (Suspended mode)" does not work
  Solved with INCA 7.1.3
- #370206 Flash over UDS might fail.
  Solved with INCA 7.1.3
- #378741 Silent installation with the Service Pack installer will not update the ETK Tools part of ETK D&T
  Known issue with the Service Pack Installation from INCA V7.1 SP1 and SP2
  Details and workaround see Service Pack Release Notes
  Note: Solved with INCA 7.1SP3. The ETK *Drivers* will be updated with ETK D&T V3.12.0 installation automatically (but the drivers are not part of INCA V7.1.3)

### 5.2.5 Open Known Issues – Important Hints

*Known issues of INCA V7.1.3 and former versions*

- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
  Note: Solution planned with updated LABCAR or INCA version (depending on issue)
- #373446 Labels in the CDM might be not updated when address are used more than one time
- Calibration with "Limitierted EMU-RAM" not possible in Experiment Preparation mode

  Issue is caused by the Experiment Preparation "Toolbox": After flashing has been finished, the dynamic emulation layout is gone (green LED is switched on), but the EP "Toolbox" does not set the overlay layout, again.

  Issue does not occur if DERT is active. In this case, INCA configures the overlay layout in the right way.

  Condition (issue occurs):

  - INCA option Limited EMU RAM: Experiment Preparation

  - use serial ETK

  - HW init inside EE

  - switch to WP

  - calibrate

  - flash from WP->ECU flash

  - after closing ProF, INCA reinit and try to calibrate: value cannot be changed even though we have equal checksums and HW init was successful

  There are 2 possible **workarounds**:

1. Open MPM and execute a Download from Dataset to WP
2. Trigger a hardware initialization (F3)

- #382083 Device XCP:1 does not define a TPBlob. Cannot load the Asap1b driver
  It is only an issue by parsing the A2L file, when the included AML files doesn't exist.
  Workaround: Provide all AML include files.
  Note: Only relevant for corresponding projects using XCP AML V1.2
- Raster switch with EVENT_CAN_ID_LIST does not work correctly if measurement is running
  Sporadically INCA does not configure correctly the measurement but does only start and stop some DAQ-Lists

*Windows 8 support*

EHI # 372813 Windows 8 64bit Microsoft Surface 128 GB: INCA HWK does not start

On Windows 8 64 bit systems, it might happen that the timer of the system is not supported correctly and HWC will not open. This depends on the hardware.

In such case the timer driver does not support a special interrupt controller mode of the given controller.

Note: Will be solved with one of the next INCA 7.1 Service Packs.

### 5.2.6 Bug Fixes and Improvements

- Note:
  - Some fixes are solved with the corresponding INCA – Add-Ons (also part of SP2)
  - Listed in increasing order

| EHI # | Title |
|---|---|
| | |
| **257926** | Translated strings have not been integreated at all in "GPS_DeviceParameters" tab for GPS devices in HWC Editor |
| **277323** | CAN low speed baudrates : If "Transmission speed" --> "low speed" is configured baudrates > 125k should not be configurable |
| **278637** | INCA not reachable via Windows task switch when "Bounds Visualization" window is openend |
| **329798** | CDM Performance: Adding Labels and using filters in CDM takes too long |
| **334353** | EE: Measure Table with 3 labels shows 4 labels (twice the last one) when scrolling down |
| **339154** | EE VUI: Adding new variables to some VUI widgets stops visualisation |
| **340607** | XCP Raster check for Busload does not work in offline mode |
| **340617** | XCP V1.2 Raster check for busload limit works only, if another limit is defined as well |
| **344713** | Inactive Window couldnot be deleted but it wander to other activated folders |
| **347232** | Calibration table column size autofit does not work properly |
| **348720** | Shutting down of INCA takes a lot of time |
| **348925** | EE: Element used in a VUI changes there size after selecting different label |

| | |
|---|---|
| **350001** | INCA-DB Additional (complete) path entry after experiment import |
| **350243** | INCA memory increases as run MCD3 tests causing PC to freeze and INCA to crash |
| **351107** | After INCA is closed the IPMSERVER remains opened as task |
| **352473** | Different Messages while INIT a second time without changes. Note: Requires ETK Drivers & Tools V3.12 (part of the SP-installation) |
| **352541** | Memory pages window is not controlled with windows resizing for horizontal direction |
| **354090** | Window setting are changed in experiment - Label name no longer visible |
| **355059** | ISOTP TX fails with STmin > 15ms on QNX device |
| **355309** | Some basic API commands are missing in INCA V7.0/V7.1 |
| **356365** | [WBID2935145940] on dataset change over asap3 |
| **358633** | INCA 7.1: [WBID2439085396] Walkback when open CDM configuration with multiple datasets |
| **361828** | New Osci (V7.1): Analog signal is always filled after move into the digital domain |
| **362291** | [WBID1366287155] on opening EE |
| **363957** | If CDM is started from EE, then a message appears "A copy is not possible when the Experiment is using Limited EMU RAM" |
| **364984** | [WBID2313778916] - When initializing the hardware |
| **365487** | [WBID2982027503] when opening the Experiment |
| **365606** | RTOSCI: "[NetWBID2423115] Etas.Base.Shared.EtasException: Exception in Plugin Etas.EE.Oscilloscope" or "[NetWBID1081518937] System.NullReferenceException: Object reference not set to an instance of an object." when open special experiment with new osci |
| **366120** | [WBID4026170935] when adding some calibrations in one transaction via CDM to EE |
| **366720** | Table editor scrolling mismatch |
| **366834** | Due to incomplete DLL registration a reboot is required between INCA V7.1 and INCA 7.1 SP1 installation |
| **367304** | Communication error (CCP) during automated write/read test with powerfail (successor of #361536) |
| **367441** | [WBID693730511] if attempt to initialize EE after standby |
| **367626** | [WBID2104325493] receiver must be a boolean |
| **367633** | [WBID3380465711] UndefinedObject does not understand x |
| **367652** | [WBID3093849059] UndefinedObject does not understand asSInt16Array |
| **367912** | ES59x and ES9xx: Delay between the transmissions of two ConsecutiveFrame on UDS flashing - Note: requires FW update HSP V10.3 or higher |
| **368161** | Updating of the unequal variable values will not be set in real time in CDM |
| **368501** | [WBID1372541587] Experiment enviroment can not be open due to inactive variables |
| **369260** | [WBID2639573367] after start of EE |
| **369267** | XCP V1.2 Raster check does not work correctly |
| **369497** | [WBID2892933132] when calibration of axis in offline modus causes |
| **369532** | INCA V700: [WBID2678061846] INCA V710: [WBID3908644710] when open EE |

| | |
|---|---|
| **369625** | XCP V1.2 Raster Check for MEMORY_CONSUMPTION and ODT_ENTRIES calculates wrong |
| **369935** | XCP V1.2 Check for MEMORY_CONSUMPTION does not work correctly |
| **370015** | XCP V1.2: CPU Limits are available in the VSD for XCP V1.2 even if there are not all mandatory parameter defined in the A2L file |
| **370023** | Problem with VTAB-Range conversion |
| **370206** | Flash over UDS failed |
| **370296** | [WBID2036305924] RBFolder does not understand dataManagerClass |
| **370299** | [WBID2978522827] EE when open special workspace |
| **370403** | Recorder Configuration: Trigger on variable of an array not possible - no array selectable, no array displayed |
| **370439** | Unexpected values are shown for Compu Method M_asin and M_acos |
| **370447** | TgtSvr crash during flashing - etkc_1b.dll: Critical Exception 0xC0000005 |
| **370529** | CAN UDS No detection of ECU OFF during measurement |
| **370611** | LIN Import of certain LDF file fails (signal scale factor -1) |
| **370772** | Added scenarios get not loaded in the EE |
| **370783** | MCE Manual Configuration Issues |
| **370859** | Not printable letters are written in different LAB Files after a compare or copy |
| **371004** | CDM performance increased in case loading configuration into CDM |
| **371005** | [WBID1584341332] UndefinedObject does not understand x while calibration of a Map in 2D-Graphic |
| **371012** | CDM Copy performance improved when the BackgroundComparison (BG) is ON (compared to INCA V7.1.1) |
| **371202** | Interpolate Z-values in X-direction is not working as expected - not all Z-values respected |
| **371203** | [WBID2036305924] RBFolder does not understand dataManagerClass |
| **371590** | Changes made to a project in the A2L Editor get not loaded in the EE if the project already assigned to a workspace |
| **371619** | INCA V7.1.1 Checksum calculation of working page fails |
| **371822** | GMLAN No measure values in the experiment displayed |
| **371921** | KWP2000: Checksum not unknown, upload of WP missing |
| **371938** | Critical exception of etasGeneral100.dll when adding calc signal to EE |
| **372041** | LogViewer: registry settings will not be applied if LogViewer GUI was not started with "Run as administrator" - see also #372779 |
| **372122** | WB [WBID868823276] UndefinedObject does not understand detect:ifNone: |
| **372301** | After install INCA V7.1.1 the API connection to server with INCA 7.0.0/V7.1 is not possible |
| **372303** | EE: "[WBID3341496994] UndefinedObject does not understand isDeviceGroupCompatibleTo:" can occur when grouping in EE->hwc |
| **372655** | [WBID81108787] WB solved |
| **372669** | [WBID3175958561] Walkback when initialize and start recording with experiment |
| **372684** | WB [WBID1211125905] WinError does not understand setLastWriteTime: |
| **372722** | Performance improvement for customer specific RAMScope: Performance during creation of generic measure device in case of more than 100 measurements |

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|---|---|
| **372751** | [WBID3499201962] UndefinedObject does not understand sign when flashing |
| **372766** | WB [WBID2122044588] UndefinedObject does not understand cr |
| **372770** | WB [WBID2971474149] UndefinedObject does not understand isMasterData |
| **372778** | [WBID695056342] UndefinedObject does not understand setInputFocus |
| **372779** | Cfw.LogViewerGUI.exe does not save settings for logging if user is not admin |
| **372830** | [WBID2036305924] RBFolder does not understand dataManagerClass - CDM |
| **372841** | EE windows gets resized when calibration variables for LERT Experiment Preparation are reconfigured |
| **372852** | EE: Label selected via "Search For Variable" are not deselected after selecting new Label in the same Osci |
| **372906** | NetWBID1072430456 occurs when configure the "Variable name display setup" in EE. |
| **372968** | [WBID3252205347] UndefinedObject does not understand filterController / Crash after close CDM |
| **372974** | INCA is terminated abnormally when the customer change the ProF action menu of 2byte character. |
| **373063** | Value of the bit display blink on and off suddenly. Is such case the displayed value is different between the bit display and the numeric display. |
| **373108** | ES720 V7.0.0: idRef for "ObdOnCAN" is undefined in exported .wsmd file |
| **373203** | WB [WBID3388896898] UndefinedObject does not understand startsWith: |
| **373233** | [WBID2649952204] solved |
| **373300** | Add a variable to Oscilloscope in  VUI is not working properly in Korean OS |
| **373373** | [WBID535153218] read from invalid memory location. Note: User without rights to write in the "Application Data" directory for current user, cannot use INCA. |
| **373548** | CDM-"Ctrl-W" shows a wrong order of variable names. |
| **373726** | EW_I7.0.0/21: INCA Walkback after hardware initialization |
| **373743** | ASAP2 Editor - Wrong icon for axes |
| **373766** | WBID281497833 Systemerror calibrating a grouped array via ASAP3 |
| **373857** | Change Smalltalk Inactive Purge Context Menue Label |
| **374017** | WAIT_FOR_KEY in ProF doesn't work |
| **374046** | Pre-triggered measurements and "Multiraster": Signals might get lost. |
| **374064** | WBID1557531359  during 2nd read for same DCM file via test automation |
| **374138** | UDS Flashing - WriteMemoryByAddress always sends PDU with 4095 bytes |
| **374151** | ETK-S1.1D3: Cannot initialize ETK-S1.1D3 hardware with INCA 7.1.1 od INCA 7.1.2 |
| **374293** | [WBID2036305924] CDM add folder as destination |
| **374714** | Adding new layer, the focus is missing for the new created layer |
| **374766** | XCP V1.2 EVENT_CAN_ID_LIST from XCP 1.2 does not work |
| **374773** | Error 64 encountered when launch INCA after installation |
| **374825** | [WBID1877063121] MessageNotUnderstood: UndefinedObject>>new |
| **374944** | Adding INCA-MCE  XETK Calibrations via MCD3 V1.0.1 "Always Use Fuli" fails |
| **375008** | EE: [NetWBID642990540] System.InvalidOperationException: TargetServerChannel not connected) after try to open VSD when before different INCA versions are used |
| **375026** | EE: New Osci might use wrong Default Value for Property Line Style |

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|---|---|
| **375038** | [WBID3234260705] & [WBID1766103906] & [WBID2498553291] Walkbacks at GM Test bed during shut down of CAMEO. |
| **375166** | OS Version not correctly logged in ASAP3/MCD3 |
| **375203** | CDM opened from EE, operation in function mode, then the difference is not detected |
| **375215** | Asap3.exe crashes when activating recorder |
| **375318** | [WBID992885578] System error on attempt to expand a function in CDM |
| **375477** | [WBID847977887] While change grouped items over ASAP3 |
| **375601** | [WBID625331335] Flashing is not possible |
| **375744** | [WBID1899679281] Editor not found |
| **375779** | [WBID1916615553] UndefinedObject does not understand identifier |
| **375782** | [WBID2234988461] UndefinedObject does not understand pfilnam: |
| **375787** | [WBID2595496058] UndefinedObject does not understand databaseFileType: |
| **375791** | [WBID963979591] UndefinedObject does not understand do: |
| **376235** | ProF: Flashing with 3rd party tool not possible |
| **376413** | Flashing via ES1232_CAN_Port_ES1222 is not possible |
| **376539** | WBID3962789407 Reading A2L + HEX into INCA |
| **376549** | WBID2112125908_System error after importing WWH_OBDonCAN.exp in Inca V712 Note: Required INCA Add-On ODX (part of SP) |
| **376552** | Switching layers causes windows to be moved in layers |
| **376628** | CDM: Number of slected variables is not "0" if a "source"-project is removed |
| **376841** | FlexRay Monitoring issue with MUX-PDUs Note: Requires INCA Add-On FlexRay (part of SP) |
| **376847** | [WBID1123985822] Walkback when select ES610 in Hardware Configuration |
| **376859** | [WBID1775382810] Systemerror on attempt to copy variable in CDM |
| **377098** | [WBID3884384147] EtasContainerMeasureWidget does not understand addSelectedWidget |
| **377100** | [WBID4003596577] UndefinedObject does not understand checkAllLabelsInDataset: |
| **377162** | WBID3550110205 Systemerror configuring an ES650 |
| **377297** | Baudrate cannot be switched by ProF if XCP project is assigned to same CAN |
| **377316** | Analog signals drawn over strip borders |
| **377332** | UDS flashing is not possible with Panasonic and Keihin ECU |
| **377475** | INCA saves wrongly measure values in the measure files if "output" signals are in use |
| **377508** | Experiment window gets resized when recording is started (after closing MPM) |
| **377571** | Kvaser devices has no support for ES720 |
| **377573** | [WBID3855418535] Primitive failed in: Object>>#at:put: due to Index out of range in argument 1 |
| **377763** | XCP FlxBuffer : Do not use FLX_Assign messages for FIXED buffers |
| **377838** | API Command StopMeasurement does not save measurement file in INCA V7.1.2 |
| **377874** | Editing a register will not change individual bits of that register |
| **377978** | ASAP3: Get Extended Parameter delivers wrong type |
| **378033** | Flashportselection does not work |

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|---|---|
| **378053** | [WBID1769954627] DBLinDeLinError does not understand comment: when try to read A2L and Hex File |
| **378054** | ES610 measurement values are wrong when the workspace contains a ES595 with FlexRay Monitoring |
| **378196** | [WBID2800727061] System error comparing datasets |
| **378435** | Replace system is slow if Ipetronik Addon is installed |
| **378741** | ETK Tools are not updated during INCA V7.1 SP02.1 installation |
| **378882** | OHI - FlexRay Startup Controller settings get lost |
| **379053** | Impossible to switch back from recording to measuring when recording duration exceeds the duration specified in the recording managment window |
| **379054** | [WBID1779721979] False does not understand notEmpty |
| **379251** | CDM Compare_Function_mode doesn't show "new functions" |
| **379961** | [WBID3358669662] MessageNotUnderstood: EtasWriteChunkStream>>nonEmptyContents |
| **379968** | [WBID2397091331] Primitive failed in: Object>>#at: due to Invalid class in argument 1 |
| **380167** | Adding INCA-MCE XETK Slewing Calibrations via MCD3 V1.0.1 fails Note: Requires INCA Add-On MCE V2.0.2 (part of SP) |
| **380427** | [WBID2157804504] UndefinedObject does not understand resetSigDigCache |
| **380448** | [WBID1155558893] using COM.API |
| **380594** | After ETK-Re-Init INCA shows a wrong settings in dialog and user "must" start flashing of ECU |
| **380601** | Connection of ASAP3 to INCA from within the Experiment does not work if .NET V4.5.0 is installed (no issue with .NET V4.5.1) Note: Workaround implemented with INCA V7.0.0 HF24 and INCA V7.1.3 |
| **380673** | Add of measure signals is not possible on HIL-system. |
| **381044** | XCP AML V1.2: MPM cannot be opened if XCP ECU is not initialized |
| **381543** | [WBID2119616776] Exception is not resumable - if copy data set in CDM |
| **382262** | Convert of EE to new oscilloscope removes all multi-rates |
| **382539** | [WBID3202787132] Inca crash by double click on CDM Quality Label |
| **382876** | Pre-trigger-time cannot be saved in the measure file with XCPonEthernet |
| **382976** | Calibration Wakeup HWC option not initialized with information from the A2L file |
| **383113** | CDM: [WBID1012134614] during double click on "function" |
| **383223** | Datasets exported from INCA V7.1.2 cannot be read in with older INCA versions |
| **383243** | [WBID59756152]_INCA walkback during opening EE in INCA V7.1.2/1 |
| **383371** | CSM: [WBID1823878228] Walkback at SFH for 3rd hardware with CSM |
| **383517** | Does not show Adaptive Parameters in VSD and EE - as performance is poor |
| **383589** | WBID1332945512 CDM-Editor cannot be closed |
| **383659** | [WBID1575485604] (ExError) An error has occurred in CDM |
| **383765** | Raster switch with EVENT_CAN_ID_LIST does not work correctly if measurement is running |
| **384071** | SYSTEM ERROR is occured when Read from CDF V2.0 file including PMD in CDM |
| | |

## 5.3 INCA V7.1.2 HF 01

### 5.3.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 including INCA V7.1 HF only with help of the Service Pack (installer) of the INCA V7.1 SP

### 5.3.2 Known Issues – Important Hints

See also INCA V7.1.2.
New known issues with INCA V7.1.2 (but not introduced with INCA 7.1.2 HF01):

*Windows 8 support*

EHI # 372813 Windows 8 64bit Microsoft Surface 128 GB: INCA HWK does not start

On Windows 8 64 bit systems, it might happen that the timer of the system is not supported correctly and HWC will not open. This depends on the hardware.

In such case the timer driver does not support a special interrupt controller mode of the given controller.

Note: Will be solved with one of the next INCA 7.1 Service Packs.

*CDM used in parallel to EE*

EHI #375203 If CDM is opened from EE, operation in function mode, then the difference is not detected

It is not issue if the CDM config object is opened without EE.
Note: Issue will be solved with the upcoming INCA V7.1.3.

### 5.3.3 Bug Fixes

| EHI # | Title |
|---|---|
| **375477** | [WBID847977887] While change grouped items over ASAP3 |
| **376323** | Flashing ECU fails for Prof configuration with AALFI_FOR_REQUEST_DOWNLOAD = 4x (x=1,2,3,4) |
| **376861** | XCPonCAN and XCPonEthernet - measurement is not possible if FIRST_PID 0x00 and MAX_ODT 0xFC |

## 5.4 INCA V7.1.2

### 5.4.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 only with help of the Service Pack (installer) of the INCA V7.1 SP

### 5.4.2 News

### 5.4.3 New Features

See What's News slides INCA V7.1 SP02 (INCA-V7.1-SP02-Whats-new.pdf)
Note: Currently What's News slides INCA V7.1 SP02 are in "Draft" status.

Summary/Key points:

- ASAP3 "EXTENDED GET PARAMETER/SET PARAMETER"
- CDM - Compare option for compare FORMAT (ASAP2-MC) with higher precision
- Windows 8 (32 / 64 bit*) supported
  *) INCA uses the 32bit compatibility mode on a 64-bit operating system.
- ProF: Support sending of CAN messages on any CAN-ID during flashing
- Multiple client support of ES581.3 (requires also update of drivers).
  - Related ES581.3 calls solved
  - Known issue with ES581.3 solved.
  - EHI #347726 ES581.3: No measurement via IPETRONIK or CSM possible if both ES581.3 CAN ports are used.
- Search feature of EE enhanced: CTRL-F --> Find variable which is not in use in current EE. As a result, VSD is opened with this string as search filter

### 5.4.4 Open Known Issues – Important Hints

*Important hints for operation with ES581.3:*

To **support multiple clients with ES581.3** a major/structural change of INCA, driver and firmware was required.

- When **upgrading any of the INCA Versions V7.0 or V7.1** with INCA V7.0 SP15 or V7.1 SP2 also the corresponding other version needs to be upgraded to the new version.
- If **J2534** is used (e.g. for 3rd party access on ES581.3), an update of the ES581-J2534 driver to V2.0.7 or higher (part of HSP V10.2.0) is required.
- Ensure the **USB driver** is updated to the latest version (part of HSP V10.2.0)
- Note: The ES581.3 firmware is automatically updated from the driver (if required).
- Known issues:
  - #349083 Flashing with ES581.3 (and 3rd Party HW) fails - ST_MIN not respected
    Flashing via UDS/KWP with ES581.3 HW might fail, if a CAN frame separation time (STmin) > 0ms is used. In this case it might happen that the used separation time is sporadically lower than STmin.
    This is an issue with every 3rd Party HW (Vector, Kvasar, ES520). It is not issue with ES59x, ES910, ES511.
    Workaround: Change setting in the file „ETAS\ETASShared11\Systems\ES581_CAN.xml" :

```
<IniFileItems>
  <entry>
    <key>ISO15765_TX_NOTIFICATION</key>
```

```
    <value>ACCURATE</value>
  </entry>
  <entry>
    <key>SELF_RECEPTION_MODE</key>
    <value>1</value>
  </entry>
</IniFileItems>
```

- #373308 ES581 Sporadically a critical exception at NeoVIServer.exe occurs

  ES581.3 is incompatible with some deprecated Intrepid Control Systems, Inc. Vehicle Spy settings.
  Please remove the 'Intrepid – neoVI' J2534 setting in the registry or change the FunctionLibrary registry key to use the latest icsJ2534VCAN3.dll driver.
  - [HKEY_LOCAL_MACHINE\SOFTWARE\PassThruSupport.04.04\Intrepid - neoVI] // Windows 32bit
  - [HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\PassThruSupport.04.04\Intrepid - neoVI] //Windows 64bit
  - FunctionLibrary=C:\Windows\system32\icsneo40.dll // deprecated
  - FunctionLibrary=C:\Windows\system32\icsJ2534VCAN3.dll // update

*Windows 8 support*

- #370449 Winows 8: Context Menu Variable Documentation does not work correctly when a PDF file is used.
  Note: Installation of Adobe Reader V10.1.8 or higher required.
  Please download the latest released Adobe Reader.
- #372813 Windows 8 / Microsoft Surface 128 GB: INCA HWK does not start

*Windows 8 – HW/Drivers released for Windows 8*

- ES581.3 with INCA V7.0 SP15 and INCA V7.1 SP2
- Kvaser (drivers V5.1 is supporting Windows 8)
- Vector – HW (with latest drivers available on Vector DL-center)
  - VN1610
  - VN1611
  - VN1630
  - VN1640

*Windows 8 - HW/Drivers – currently not released (or not tested) for Windowns 8*

Note: Drivers might work, but currently not tested.

- ES520
- ES580
- Vector – HW (please check the Vector home page for latest news):
  - CANcardXL
  - CANcardXLe
  - CANcaseXL
  - VN7600
  - VN8910

*Known issues of INCA V7.1.2 and former versions*

- #373433 HIL Test Bench: LABCAR CCI data logger: It might happen that data logger cannot be activated anymore and therefore new data logging is not possible
- # 364841 CCP "Quick start mode" - "Save Configuration (Suspended mode)" does not work
- #370206 Flash over UDS might fail.
  Analysis in progress. It might be an issue with the ProF command UDSX_ROUTINE_CONTROL_MODE
- #373446 Labels in the CDM might be not updated when address are used more than one time

### 5.4.5 Bug Fixes and Improvements

- Note:
  - Some fixes are solved with the corresponding INCA – Add-Ons (also part of SP2)
  - Listed in increasing order

| EHI # | Title |
|---|---|
| | |
| **59428** | Upload with CCP: Text on upload progress bar is not translated |
| **86742** | CDM CUBOID error, CDM Compare does not generate PDF |
| **100988** | ETK T1.1: No download of modified parameters after offline calibration (calibration during disabled online access) |
| **323355** | ES581.3 Change of protocol merge CAN1 and CAN2 |
| **328822** | Walkback encountered if drag a slewable variable from a measure window to a YT scope |
| **332992** | IP-Manager: IPManager should inform user if hardware device is out of predefined IP range |
| **337774** | MPM comes up only every second time when user calibriates offline and switches ECU calibration access back on again |
| **338655** | CSE: Column width for Variable name does not fit to actual length of name |
| **341897** | CDM: Some booleans show (true/false) although the option was set to show integers (1/0) |
| **343664** | ES581.3: Deterioration of CCP Flashing performance compared to Reference Version INCA V700 HF8 |
| **344686** | After copy & paste from layers in the VSD, widgets are used in unexpected layers |
| **346669** | Calibration changes made in the state "ECU in reset" get discarded |
| **347178** | Faulty slew icon displayed on the dataset after reading the hex file. Note: Already solved with INCA V7.1SP1 and INCA V7.0.0 SP 13. |
| **347715** | Japanese export file name is not transferred from workspace name |
| **347842** | [WBID1366287155] when open EE |
| **348732** | CDM: Dependent labels are unexpected computed when using A2L and Data Transfer File |
| **349085** | Maximized window resizes to default size each time after closing of VSD |

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|---|---|
| **349780** | [NetWBID2805166059] system error when opening multiple VSD |
| **350233** | [WBID1985422111] during calibration recording |
| **350917** | Replace hardware - information missing in "confirm" pop-up window |
| **351590** | Raster information is not shown in INCA with connected Hardware - Note: Solved with ETK D&T V3.11.0 (part of the SP) |
| **351676** | ODX project not included in regular INCA export file if previously imported from an "Folder export" - Note: Requires INCA Add-On ODX V1.5.2 (Part of SP2) |
| **352006** | "Add layer" and "set the layer comment" does not work at the same time in the VSD |
| **352254** | ES581.3 blockmode: initialization of sequence too slow |
| **352402** | Unit(msec) of "expected time" is too sensitive in the CDM -> Changed to Seconds. Values smaller than 0.5 Sec. not displayed. |
| **352404** | Vertical scroll bar of "Scalar Table Editor" will not be displayed automatically after moving variable from other window |
| **353125** | CDM: Preview output is not saved in DB object |
| **353772** | [WBID1351596878] solved |
| **353955** | [WBID4070127963] Walkback when open experiment |
| **354194** | LCA: Cannot write StringArrayParamVar |
| **354443** | Different WBs during INCA session solved ([WBID3269616446]+ [WBID2563756822] + [WBID2674861332] + [WBID4219976294] + [WBID1457383385]) |
| **354877** | Osci Borders: Migration of border values not working |
| **354905** | [NetWBID3527674279] Divide by zero - during recording |
| **355040** | If SEED_AND_KEY() was called twice, the second call always returns "0"(error). |
| **355599** | Window positions in EE changed when saving |
| **355667** | Recording in special workspace does not work |
| **355936** | CDM compare takes >8000 seconds |
| **356006** | Variables set to "record only" get lost from experiment when hardware is removed |
| **356285** | [WBID3753871432] adding dataset to CDM |
| **356443** | [NetWBID4080051704] Systemerror in EE |
| **356664** | WBID2383799375 due to wrong Raster Check for ETK |
| **356887** | [WBID3629547366] xception has been thrown by the target of an invocation. |
| **356974** | PC locks up when initialize XCP with ES581 |
| **357047** | [WBID859343832] when try to read scenario in the CSE |
| **357077** | [WBID1904208450] while execution of ASAP3 command SWITCHING OFFLINE/ONLINE |
| **357996** | Inca hangs if flashing with ProF fails |
| **358001** | [NetWBID284093111] while select variable from dbc file |
| **358113** | Recorder file is not saved using ASAP3 |
| **358292** | Scrollbar is not displayed in EE |
| **358344** | No recording possible due to long user comment (>32000) |

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|---|---|
| **358528** | NetWBID2805166059 Alt+T opens VSD twice and leads to WB |
| **359140** | [WBID599328138] assigning Sensor catalog to ES611 if EtasShared is installed within ProgramFiles directory with limited user rights |
| **359154** | CDM: Save As dialog not displayed until action is performed |
| **359207** | Wrong information text (number of log-file) in WB dialog |
| **359231** | [WBID56370359] when open special experiment |
| **359583** | ErrorCode 517 when save database with INCA 7 type |
| **359763** | Unsuccessful flashing of a K-Line device leads to TargetServer crash |
| **359776** | [WBID3350186849] System error when initialize HW in HW-editor |
| **359918** | Space key discards measurement data: The "Discard"-Button in the progress dialog is "clicked", when the user presses the spacebar. This is the standard Windows behavior. |
| **360366** | [WBID2789835248] Inserting an inactive variable in the EE causes a crash. |
| **360410** | [WBID3489611665] System Error during INCA session |
| **360414** | CDM: After toggling RP / WP the CDM is flickering |
| **360424** | INCA V7.1.0 does not re-register the older IPM-Server when V7.1.0 is uninstalled |
| **360572** | [WBID2495295358] when clicking on Stop Measurement with demo project |
| **360726** | ETK reconfiguration occurs without any system changes |
| **360764** | [WBID761833463] System error during INCA session |
| **360813** | [WBID4105491366] while open EE |
| **360875** | [NetWBID4135088560] System error when selecting a newly created calculated signal into EE |
| **360886** | Crashes when INCA is left open and the user closs the PC lid -i.e puts PC into sleep mode |
| **360971** | INCA crashes sporadically |
| **361237** | [WBID3034539543] while searching by STRG-F (DSMA*) and switching to the WP in EE |
| **361307** | XCP on CAN measurement requires strictly increasing PID numbers |
| **361312** | Osci does not show data |
| **361328** | Comment in EE is not saved |
| **361533** | [WBID172707040] while starting EE and switching the layer |
| **361551** | [WBID3550110205] after try to close HWC when before entry from Interpolating Table used by ES610 / ES611 Channel was deleted |
| **361994** | [WBID1468378902] Systemerror on attempt to add scenario |
| **362120** | INCA crashes when starting visualization |
| **362305** | [WBID1339338300] EtasETKDevice does not understand values |
| **362399** | eCDM - Server needs the version of the client |
| **362564** | After switching to 2D an additional axis is displayed, which disappears after the first page switch |
| **362571** | Calibration is not possible. (Address 02400CC4h + Offset -04400000h) |
| **362572** | [WBID2796752995] Windows has run out of resources and I71x creates much more widgets than I700 when adding many (~700) labels to EE |
| **362595** | ProF monitor crashes on percent sign |

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| **362624** | Flashing CRD3-NFZ with INCA V7.1 and ES593 does not work |
| **362675** | Flashing of CCP ECU with ES590 and ES595 fails |
| **362853** | Disclaimer window has unnecessary space on Japanese OS |
| **362857** | [WBID302089311] - While opening an Experiment from I700 |
| **362861** | [WBID2867680566] when openning EE after exchanging the used project |
| **362899** | [WBID2765789831] when seleceting variables (CTRL+F) in an experiment enviroment |
| **362977** | Action of "Return" hotkey is blank in the hotkey assignment for hardware |
| **363082** | Ctrl+F does not find calibration signal |
| **363201** | [WBID1828434506]when start recording after ~15 Seconds |
| **363252** | Too small dialog for INCA user option "Veryfy checksum" (HW tab) with JP Win7 |
| **363282** | Moving the horizontal scrollbar in a layer causes windows in another layer to be moved |
| **363298** | [WBID1828434506] when moving a variable into new combi editor. |
| **363486** | Unexpected warning about parameters defined multiple when "read all calibration from..." several DCM files in INCA experiment |
| **363520** | [WBID2379529958] when remove the unit column from a numeric display in a VUI |
| **363536** | VSC: Wrong Inc/Dec step when try to change multi selected Inc/Dec step in the VSD |
| **363537** | No hint to an multi selection error in the VSD Disp Config Tab |
| **363613** | [WBID3272354541] start a new CDM configuration and read the XML file as source |
| **363655** | [WBID1909117232] after try to change Conversion |
| **363701** | CDM: When there is no label selected unexpected entry Name is found in AboutInfo |
| **363755** | Fixed strings are used in the Hotkey assignment window |
| **363756** | Button and text redrawing will be wrong after setting "Large" to "Toolbar Icon Size" when INCA windows size is small |
| **363817** | Ctrl+U for GroupMAPs resets the axis values even if answered with "no" |
| **363964** | [WBID2341914299] during operation |
| **364055** | ETKS20 Download does not work after power fail |
| **364145** | Lin: Opening HWC of an lin device without an assigned project causes an OHI Error Message |
| **364151** | [WBID3115317880] solved |
| **364186** | No match variables are lost after first open of experiment |
| **364270** | [WBID4127442835] / [WBID1085971809] when adding martix via CDM to EE and switching WP/RP |
| **364297** | INCA crashes and ends abruptly |
| **364700** | CDM: InlineEditor disappears after adding label to CSE |
| **364728** | CDM: Update from label in EE does not work each time when CDM is used in parallel to EE |
| **364772** | [WBID3941810745] when open experiment |
| **364850** | [WBID1486526400] after changing the extended limits |

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| **364868** | Activation of inactive measurement fails |
| **364869** | CDM: Part of About Info is not updated when EE \|\| CDM and change was done in the CSE |
| **364886** | [WBID667152105] when performing HPT with reimport in CDM |
| **364989** | Strange behaviour with the new oscilloscope (time axis starts at -17000sec) |
| **365104** | [WBID4205771203] when try to drag label from CDM Inline Editor to EE |
| **365263** | Character value 0x08 does not work in paco + cdf |
| **365264** | Doubled display of ES921-device and not present ES920 in HWC-search if CSM AddOn installed |
| **365338** | [WBID1858057186] when clicking on can-db item in dbb (customer workspace I700 ) |
| **365362** | [NetWBID3117710536] when drag and drop calibrations into osci |
| **365491** | COM-API: Function 'Experiment.StopAndDiscardRecording' does not discard measurement file in specific cases |
| **365501** | Instant compare and compare have different results |
| **365646** | [WBID3521830602] if assigning project to XCP device |
| **365682** | System error after sleep mode of PC |
| **365781** | Error reading in LDF file |
| **365788** | [NetWBID1225729729] New OSCI: WB while shifting signals from one stipe to another |
| **365809** | "CheckDataPagesConform" API command missing for E-Target |
| **365839** | Error indication on ES1000 after installation Partner_addOn products |
| **365850** | Instant compare preview and comparison listing lists variables twice |
| **365884** | ES581.3 Unable to flash with ES581 |
| **365940** | Communication to HSP or INCA does not work after reconfiguration of the IP assignment on the ES592 |
| **365941** | [WBID826584337] after closing EE and CDM |
| **365969** | [WBID3831484687] during calibration recording cuboids testsuite running |
| **366002** | Flash programming failed for KWP2000 |
| **366021** | Final XCP V1.2 AML can not be red into INCA V7.1.x |
| **366195** | INCA 7.0 HF20/21 VCRedist 2010++ 32bit needed - solved with ETK D&T 3.9 and subsequent |
| **366261** | [WBID1351596878] IDispatch call returned an exception. |
| **366417** | ECU cannot be initialized if ECU is seed and key protected |
| **366547** | Scrolling VSD: Selection marking failure in the VSD variable configuration screen |
| **366574** | [WBID1351596878] and NetWBID3376827096 |
| **366692** | INCA freeze while working in VSD |
| **366707** | WBID124697803 + WBID2982189480 during opening VSD |
| **366727** | Got msg "invalid target server obj" when creating a CalcSig with MeasureCal (scalar) input |
| **366976** | [WBID4044653973] crashed while starting the EE |
| **367276** | VSD for Experiment Preparation selection does not show variables from LAB-file, when file is in VSD-Root and INCA option for calibration of measurements |

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| | is YES |
| **367282** | Checksum resulted in (0x18) on CCP command UPLOAD (0x04) |
| **367342** | ES780 does not initialize properly when launch Experiment and INCA process must be killed to continue |
| **367438** | EE: Measurement with abs(x) not updated in widgets |
| **367445** | [NetWBID606721900] when open workspace containing an RTOsci with ~ 20 labels |
| **367490** | [WBID4020821034] solved |
| **367577** | Crash flashing CCP ECU with ES591 module |
| **367587** | Fixed strings are used in "about" tab of "Key and Value" field in the CDM |
| **367591** | Date format changed in CDF+Paco from yyyy/mm/ddThh:mm:ss to yyyy-mm-ddThh:mm:ss according CDF specification |
| **367630** | [WBID718680018] solved |
| **367636** | [WBID3266516586] solved |
| **367639** | [WBID2191077278] solved |
| **367646** | [WBID889164776] solved |
| **367655** | [WBID3093849059] solved |
| **367690** | EE: Measurement with abs(x) not updated in widgets - solved with #367438 |
| **367692** | Copy labels in function mode: not all selected variables get copied in CDM |
| **367789** | Updating of the unequal variable values will not be set in real time in CDM |
| **367801** | CSM Addon did not run properly with used INCA command updateFromSearchResultUseCase- Msg: Invalid use case |
| **367829** | [NetWBID86843282] EE: Could not create instrument of type 'YT Oscilloscope (V7.1)' because memory is low. |
| **368044** | [WBID1056456240]solved |
| **368128** | CDM: Compare and copy is slow |
| **368136** | All Windows are moved in EE |
| **368258** | LDF Converter generates too long internal Long Signal Identifiers - Note: Requires INCA AddOn - LIN V7.1.2 |
| **368296** | Difference in CDM compare is not detected |
| **368314** | New Feature: ASAP3 - Support of Commands EXTENDED GET PARAMETER/SET PARAMETER |
| **368385** | IPE Devices would not recognized due start the EE |
| **368434** | Set the same serial number for two different ES581.3 devices |
| **368436** | [WBID3185843499] at opening experiment or when starting HWC dialog |
| **368437** | [WBID2799303568] when search for HW in HW editor |
| **368569** | EE: Dependent label might not be correct updated |
| **368580** | ASAP2Editor: Dependents changed via ASAP2 Editor might be not updated |
| **368609** | ES581.3 TgtSvr crashes while measuring with ES581 over UDS |
| **368613** | [WBID203833631] Walkback when select 64-bit float calibration variable in VSD |
| **368655** | Data samples missing from ECU with XCPonCAN measurement in the mdf-file |
| **368698** | WBID2500789050 when adding label into experiment |
| **368805** | LDF to A2L Converter: quotes in comments can lead to rejecting LDF files - |

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| | Note: Requires INCA AddOn - LIN V7.1.2 |
| **368867** | VSD CalibrationHistory window cannot be active after opening it from inside VSD |
| **368871** | INCA-MCE Calibration via iLInkRT => WB |
| **369278** | [WBID2923198559] when editing Calibration History entry |
| **369526** | [WBID3084012237] when trying to perform a copy between source and destination containing parameters with process meta data |
| **369581** | CDM copy takes significantly longer than in older INCA versions |
| **369702** | Asap3.exe crashes when stopping recorder |
| **369823** | ODX V1.5.1: MSI parameters windows appears during the installation. |
| **369844** | ES581 causes CAN bus to crash |
| **370089** | The toolapi command „StopAndDiscardRecording does not work as described |
| **370280** | RTOSCI: It is not possible to drag and drop boolean label from one strip into another strip |
| **370281** | [WBID4225922226] solved |
| **370334** | [NetWBID3051776007] Walkback when click in Display Configuration tree of Scope Properties |
| **370344** | [WBID594243018] when closing EE after adding all martix labels to default recorder |
| **370383** | UDS Flashing with ES581 fails |
| **370384** | ES581.3 USB latency setting slow down flash performance |
| **370388** | ES581.3 CCP Monitoring: Buffer oveflow at high busload |
| **370390** | ES581.3 Speed-Up does not stop on error |
| **370415** | No function of the CSM modules with the ES581.3 |
| **370416** | ES581.3: No measurement via IPETRONIK or CDM possible if both ES581.3 CAN ports are used. Known issue with ES581.3 solved. |
| **370437** | [WBID1677654732] CSE: WB when activate scenario |
| **370449** | Known issue: Context Menu Variable Documentation does not work correctly on Win 8 when a PDF file is used - Note: Adobe Reader V10.1.8 or higher required |
| **370452** | CDM: Fields in GUI too small for included text |
| **370531** | [WBID1087598679] on attempt to open EE |
| **370612** | [WBID3202343969] system error on attempt to assign a XCP project |
| **370640** | Working page addressing by Inca is not working for CCP |
| **371002** | CDM Compare performance inproved if BackgroundComparison (BG) is ON (compared to INCA V7.1.1) |
| **371055** | Windows move of layer on saving EE |
| **371147** | MPM actions for ETK S6.0 seem to do incorrect copy actions - Required ETK D&T V3.11.0 (part of the INCA SP) |
| **371336** | Adding LAB files in VSD the name is displayed not completelly, if the name contains a dot |
| **371461** | INCA freeze during measurement |
| **371606** | CDM: [WBID3972003626] at CDM LIST TO CDFX action |
| **371690** | Copy action in CDM takes 20 minutes |

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| **371694** | Configure Output Channels menu item in EE is disabled when CANTransmit configured |
| **371806** | Flashing E78 controller - start ProF failed |
| **371943** | Recorder does not start |
| **372012** | ES581.3: After Flashing of the ECU, the HW initializing do not responds if the CAN 2 is initialized |
| **372305** | [WBID1320052639] during open EE with Excel-VBA-Macro |
| **372448** | ES581.3: Initializtion freeze if the CAN2 is initialized with a different Baudrate to CAN1 |
| **372849** | Diagra can not use J2534 interface after INCA V712 was installed |
| **373332** | eCDM - INCA hangs when reading huge PaCo file |
| **373347** | Targetserver Crash when Initializing ETK S6.0B - Required ETK D&T V3.11.0 (part of the INCA SP) |
| **373362** | Flashing transfers false data if using CanCase in case of 4kB block size |
| **373614** | EE: Search feature enhanced: CTRL-F --> Find variable which is not in use in current EE. As a result, VSD is opened with this string as search filter |
| **2011401036** | CAN-Monitoring: Pop up window during measurements |
| **2011408715** | Existing layercontent gets not longer displayed, if a new window with new variables is added |
| **2012402163** | Commuication break down using USB Device on Panasonic CF5x |
| **2012402179** | Outputs of calibrations are not updated after changing x nodes (solution already shipped with INCA V7.1.1) |
| **2012402276** | Searching for a variable in the Display Configuration does not show all instances of that variable. - Already solved with INCA V7.1.0 |
| **2012404346** | ES581.3 switching On/Off leads to the hanging of INCA |
| **2012404958** | ETK S Implementation calibration with calibration extension of 512 KB to 704 KB (TC1791ED) |
| **2012405899** | Communication error when trying to upload from memory area 0 of ETK - Note: Solved with ETK D&T V3.11.0 (part of the INCA V7.1 SP2) |
| **2012405925** | [WBID1056371263] when associating a XETK project to a XETK HW |
| **2012406096** | CDM: Highlight doesn't marked in a red square |

## 5.5 INCA V7.1.1

### 5.5.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 with help of the Service Pack (installer) of INCA V7.1 SP 1.

### 5.5.2 News

### 5.5.3 New Features

See What's News slides INCA V7.1 SP01 (INCA-V7.1-SP01-Whats-new.pdf)

Summary/Key points:

- XCP-on-Ethernet Flashing (Prof)
- XCP Flashing over Ethernet
- Make timeout for XCP Program_clear configurable in the Prof configuration
- ODX Database for WWH-OBD (ISO 27145)
- Limited EMU RAM - different overlay sizes
- Limited EMU RAM - dynamic calculation of different overlay sizes
- Limited EMU RAM - free no longer used overlay sections

### 5.5.4 Known Issues

No new issues

### 5.5.5 Bug Fixes and Improvements

| EHI # | Title |
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| **87145** | Test improvement ASAMMCD3MCV21: INCA consumes too much RAM using MCD3 |
| **95691** | Wrong file ending for secondary recording format MDF 4.0 |
| **98016** | [WBID1171579123] when open EE including CSE with inactive labels |
| **98564** | It is not possible to initialize ES595 if only Ipetronik is configured |
| **98653** | Renaming of Device name in HWC doesn't work with Umlaut (ä, ö, ü) for CSM - OHI integration corrected |
| **100744** | ES5xx - CAN-Monitoring Reconnect does not work after Ethernet was disconnected |
| **335355** | For special Slew it is not possible to add them to Measure Window |
| **337558** | The description for the ETK parameter "ETK steal measurement rasters" is not complete in the Hardware Editor |
| **340153** | Osci: Unexpected graphical representation from the axis if axis position is right |
| **341035** | [NetWBID2869734893] when using special characters in VSD for renaming widgets |
| **346737** | [WBID1188624608] when delete device in ee->hwc (special workspace) |
| **347075** | [WBID59071569] while opening INCA Experiment via EE |
| **347545** | INCA cannot handle Japanese folder names correctly in DBM |
| **349096** | [WBID1309351448] System error during MCE label configuration<br>Note: Requires INCA AddOn MCE V2.0.1 (part of INCA 7.1SP1) |
| **349605** | Japanese AUTOSAR CAN DB file is not read correctly |
| **349672** | Window focus is changed in experiment when switching layers |
| **350047** | Invalid CAN variable is displayed in the VSD |
| **350454** | Fixed strings are used in help text of "Monitor bounds visualization" item |
| **351057** | Possible to add 2 XCP projects with different baud rates into one CAN controller |
| **351465** | [WBID976644063] When assigning project to workspace |
| **351709** | CDM Korean file name is not supported. |
| **351870** | [WBID1811049737] System error during INCA session |

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| **351974** | NLS strings for ASAP2 reuse messages are not displayed |
| **352244** | "Format" value in the CDM will be emptied after new configuration |
| **352642** | [WBID2614014563] when calibrating in EE |
| **352665** | XCPonCAN : fail to assign multiple DAQ to single EVENT |
| **352697** | Inconsistent naming for old scope |
| **352965** | Some items on the Channel Details garbled Japanese characters |
| **353252** | [WBID448902737] CDM: The setting ASAM2MC of the compare mode leads to WB during lisinting of different items |
| **353472** | [WBID1030798313] if changing user options during EE open |
| **353645** | Inconsistent text in popup closing CDM in EE context |
| **353699** | XCP: Unknown MCE Error (MCE_ShadowDevice FW-ErrorCode: 0x80000000)<br><br>Solution requires an update of the MCE Add-On (min. V2.0.1 required) |
| **353717** | Online documentation "Remaining recording time" inadequately described |
| **353729** | CDM compare output has to much space lines |
| **353767** | IPM Server NIC selection problem after HW power off/on cycle |
| **353768** | [WBID2292025523], [WBID2900964476] and [WBID526537052] OpenEE: WBs occures when adding an axis point after removing an axis point |
| **353769** | [NetWBID1380843749] after a sequence of actions |
| **353848** | New oscilloscope cannot separate variables having name differences by underscore |
| **353956** | View in CDM variable list changes when calibrating a lable |
| **354002** | [WBID500456574] when navigation in ECU view (special ECU) |
| **354101** | Slews:  Slew behavior changed and icon is not being displayed on the proper data set |
| **354189** | Additional CAN Transmit device is added when perform replace |
| **354344** | INCA V7.0.0 [WBID2252893887] INCA V7.1.0 [WBID3914582808] when opening experiment |
| **354446** | [WBID4257230198] System error during adding a2l+hex in INCA |
| **354565** | INCA User-Option: Recorderformat = MDF4 , The ASAP3 Option-dialog returns an Error-Message on closing. "Error: Wrong Parameter " |
| **354566** | [WBID845251662] on attempt to open EE |
| **354669** | [WBID1049526310] if press Strg+5 in any combined editor of the experiment |
| **354890** | [NetWBID2805166059] Object reference not set to an instance of an object |
| **355071** | When selecting BOA hardware in BUSMASTER, the hardware is not found |
| **355262** | SYS_CONST not visible in ASAP2 Editor |
| **355263** | MCD 3 MC V2.2 : Internal Error bei IMCCollectors.Add |
| **355334** | [WBID971617169] when trying to save DB>4GB as Inca 5/6 DB |
| **355441** | [WBID1830517044]after using Create Empty Dataset |

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| **355529** | IPM: DHCP-Check when the DHCP Server provides IP addresses in the APIPA range reserved by Microsoft<br><br>The check is switched off (like INCA V7.0.0HF14 and former versions).<br>The pre-condition is, that the NIC used for IPM Server has the<br>IP address in APIPA range (169.254.0.1 - 169.254.255.254). |
| **355604** | After saving an experiment the modified values are getting lost |
| **355609** | Issue changing values of curve and scalar parameters |
| **355641** | Wrong direction of changing phys value |
| **355683** | [WBID4084274371] Osci corrupts experiment |
| **355748** | Adaptation of the CAN wrapper of the CSM AddOn for INCA V7.1 |
| **355826** | LimitedEMU: Upload has different HEX data than expected |
| **355862** | [NetWBID167725091] when open customers project EE |
| **355890** | Searching for variable under "record only" does not list the searched variable on the right hand side of variable select window |
| **355891** | [WBID3462124558] when opening the experiment |
| **356055** | Conversion file uses wrong ASAP2_VERSION |
| **356192** | Focus on wrong label when moving labels using Alt+F10 |
| **356199** | Server Busy message and Walkback encountered when using UFE "Force Running Reset" |
| **356343** | Wrong timestamp in the recording of CAN bus with ES690 and 3rd Party AddOn |
| **356426** | The configuration of the Ethernet adapter has changed |
| **356462** | INCA V7.1.0 and immediate MDA V7.1.0 Installation is not possible - Solved with MDA V7.1.1 |
| **356465** | Reconnection fails if at first startup of Workspace the HW was not present |
| **356490** | [WBID3507640661] when init ETK S6 |
| **356559** | Not possible to initialize connected modules (ES581.3, Vector Cancase VN1630) |
| **356586** | A1b.DK: The provided binaries in the subfolders of XML are not up-to-date<br><br>Note: Shipped with an updated INCA HWI-DK-Product (7.1) |
| **356587** | A1b.DK: Extend the package by a new example and adapt the current documents to them<br>Shipped along with INCA HWI-DK - synchronized with INCA V7.1 SP1. |
| **356594** | VSD - difficult to read color combinations (text / background) for raster info |
| **356598** | [WBID715207463] when switching to working page |
| **356615** | CDM output folder is changed without intention of the user |
| **356621** | Update from "About Info" does not work correctly when CDM and Label Viewer is at the same time visible |
| **356641** | Connection to ECU broken after automatic firmware check |
| **356654** | INCA SP Installer V1.0: Improve English phrasing |
| **356667** | Command PARAMETER FOR VALUE AQUISITION changes Raster of |

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| | measurement in EE |
| **356915** | INCA SP Installer V1.1: Support of INCA V7.1 Service Packs with INCA V7.1.x/INCA V7.1.x AddOn installations |
| **357075** | Flashing UDS fails (customer-project) |
| **357107** | Database folder, file name not supported Korean typing |
| **357131** | CDM WBs ([WBID2415885070], [WBID4035783185]) after API-Access |
| **357188** | IPM Server configures ETAS network in the last known CN subnet address range |
| **357210** | XCP-Download to working page (WP) is not possible |
| **357255** | Focus is changed in VSD |
| **357377** | LimitedEMU: ETK-S4.2C page switch error, when using DRA page switching with zero active calibration handles |
| **357384** | LimitedEMU: ETK-S4.2c: Target Server crash when LERT is deleting active calibration handles from ETK driver |
| **357389** | [NetWBID1387878443] Walkback when attempt to launch help from Recording tab of Recorder Configuration |
| **357926** | 2d representation of curve is wrongly initialized |
| **358399** | Connected modules are not initializable (ES581.3, ES590) |
| **358625** | [WBID177740905] when opening experiment |
| **358635** | Naming conflict in German about the CDM in experiment environment |
| **358706** | J2534: System Error occurs if you select the J2534 device on the HWC |
| **358761** | Feature: XCP on Ethernet Flashing |
| **358768** | VSD selection performance is not linear |
| **358772** | Make timeout for XCP Program_clear configurable in the Prof configuration |
| **358790** | OpenEE: Pasting a valid scalar value in a customer instrument is not working |
| **358995** | LimitedEMU: Error connecting INCA/LERT V2 to ETK configured with LERT V3 |
| **358999** | LimitedEMU: TgtSvr Crash when connecting INCA LERT V2 with ETK configured with LERT V3 |
| **359068** | [NetWBID2371750740] can occur when changing border to polygon during visualsition |
| **359074** | All variables are kicked out and missing message "<GMHM Error>ETKC:1 not connected Communication error" when open special workspace |
| **359133** | [WBID1995202784] when adding some special variables to EE |
| **359164** | [WBID3459799566] INCA V7.1.0 System error opening Experiment |
| **359167** | [WBID23588784] INCA V7.0.0: System error opening Experiment |
| **359168** | Not able to read information text in pop up window |
| **359219** | [WBID1755757732] When adding some special labels to experiment |
| **359293** | [WBID2375067316] when adding some special variables to EE |
| **359313** | LimitedEMU: LERT_V3_GET_MEMORY returns handle with ID -1 |
| **359362** | [WBID172707040] when clicking on a special layer in converted ee |
| **359411** | [WBID2353725686] when starting visualization |
| **359607** | [WBID2818652063] when adding some variables belonging to ETKC device to EE |

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| **359619** | [WBID2131658443] WB while re-grouping of ECUs |
| **359626** | Drawings are disappearing when osci is stopped and zooming into drawing area |
| **359724** | VSD: automationId for search text box not available |
| **359761** | Undo from Calibration Actions in the Scalar Table Editor does not work for Grouped Devices |
| **359811** | INCA SP Installer V1.0: Installer hangs if access to installation is broken |
| **359924** | CSM Addon for 7.1.0 does not install with INCA 7.1.1 (INCA 7.1 SP1)<br><br>Note: Requires an updated version of the CSM-Addon (tested with V2.33) |
| **360408** | [WBID91755544] EtasSlewingToolbox - after selecting special Project<br><br>Requires also an update of Slewing Add-On |
| **360417** | [WBID1167443177] after reading same Data Transfer File again as source |
| **360477** | INCA-EIP V7.1.0: Tables are removed from Experiment when saving without HW connection |
| **360539** | XETK_S4.2 ETKAccessDll exception occurs when XETK S4.2 is initialized |
| **360688** | ETK reconfigure dialog blocks regressions tests and causes unexpected behavior and ETK status |
| **360880** | [WBID3329588264] when reading in DCM files into Exp |
| **360943** | LimitedEMU: Correct Package for LERT V3 is missing or not installed correctly in INCA V7.1.1 beta 3 |
| **360956** | OpenEE: [WBID2818652063] when copying a variable from a customer instrument to a combined editor |
| **361036** | Slews: Slew behavior changed and icon is not being displayed on the proper data set |
| **361151** | [WBID2818652063] When adding calibration variables to experiment |
| **361193** | [WBID1600904071] when trying to open EE containing some customer instruments |
| **361195** | Measurement with XCP not possible with CPC-NG (ECU) and INCA V7.1.0 |
| **361253** | [WBID3245040113] when changing source dataset in CDM if inline editor is displayed |
| **361293** | System error while loading a new DCM |
| **361294** | [WBID1167443177] when deleting variables in CDM if inline editor is in use |
| **361333** | "Internal error during restoration of recording files!" or "etas target server recover file dialog" after successful multirecording saving, close and reopen EE (MDF3 indexing off) |
| **361338** | INCA switches wrongly the calibration page after flashing |
| **361465** | Flashing with ES580 and Inca V7.1.0 is not possible |
| **361786** | [NetWBID2805166059] WB while ALT-T from new oscis |
| **362102** | [WBID2935521719] when try to open special EE |
| **362123** | CDM: After using Filter in CDM the About Info and the Inline Editor was not updated |
| **362181** | [WBID2375067316] when try to add special label to EE |
| **362220** | [NetWBID2243372993] when try to change multi selected messages for a |

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| | Measure Window via VSD |
| **362318** | [WBID3269616446] Memory optimization message and walkback when open and close experiment multiple times |
| **362614** | INCA SP Installer V1.1.0.x beta: The SP installer in "JP" folder do not find INCA V7.1.0 |
| **362630** | Calibration Page is wrongly switched after flashing |
| **362633** | "Show Data Freeze message box" typo in option description |
| **362769** | [WBID136555192] when try to create old YT osci together with a border |
| **362830** | OHI Error Message when try to open EE with Lin Device<br><br>Note: Requires INCA Add-On LIN V7.1.1 (part of INCA V7.1SP1) |
| **362927** | Possible that FlexRay EE is not usable because no label is available<br><br>Note: Requires INCA Add-On FlexRay V7.1.1 (part of INCA V7.1.0SP1) |
| **363129** | ASAP3.exe System error when starting Client Setup |
| **363410** | [WBID3858905214] whenever I try to read ECU project via eCDM<br><br>Note: Requires INCA AddOn QMBasic V7.1.1 (part of INCA V7.1 SP1) |
| **363432** | [WBID927381850] when starting a Copy action<br><br>Note: Requires the INCA AddOn QMBasic V7.1.1 (part of INCA V7.1SP1) |
| **363440** | Limited EMU RAM - enhancement with INCA V7.1 SP1<br><br>Support of variable section size (see also What's New slides of INCA V7.1 SP1)<br>- different overlay sizes<br>- dynamic calculation of different overlay sizes<br>- free no longer used overlay sections |
| **363443** | eCDM Performance Improvement for INCA V7.1 SP1<br><br>Better Performance for data exchange of A2L + Hex + CDF file |
| **363498** | ES590: XCP Measurement not longer working |
| **363510** | [WBID1830318832] after removing Rescale Pair from a Rescale Axis Pairs used by Grouped Devices |
| **363521** | eCDM: WB [WBID4035878948] when starting a list action to an ECU project read via eCDM |
| **363682** | [WBID875378039] (INCA V7.1.0)/ [WBID2704107310] (INCAV7.0) INCA crashes at "List"or "Compare" action in CDM |
| **363824** | [WBID3972003626] occurs when starting copy action |
| **364077** | IPM server package 16.1.6 or 16.1.7 not registered |
| **364177** | Icon of OnlineFirmwareCheck incorrect in HWC for ES592/ES593/ES595/ES581 |
| **364292** | INCA freeze while working in VSD |
| **364299** | [WBID1478058315] on attempt to read the CAN-db |
| **364303** | [WBID172707040] while working in the EE |

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| **1003923** | In VSD, the raster percent fill is not displayed |
| **1004035** | Cannot add variables from GMLan with experiment in offline mode |
| **2011405120** | [WBID3235928131] using IPETRONIK AddOn in INCA |
| **2011405437** | [WBID2252893887] using experiment with IPETRONIK AddOn |
| **2011406089** | Compare is not executed in background task |
| **2012404411** | [WBID1524229236] System Error on deleting ETK or device in EE |
| **2012404490** | Layer tab-width gets wider on Windows7 (Japanese display language) |
| **2012405330** | API-Tool cmd SetDoublePhysValue return code incorrect |
| **2012405629** | INCA switches page after Flashing ECU |
| **2012406097** | By using a triggered measurement with lead time listening to the generated data file for certain measures the time stamps on about 10s before |

# 6 Contact, Support and Problem Reporting

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the ETAS website:

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|---|---|---|
| ETAS subsidiaries | WWW: | www.etas.com/en/contact.php |
| ETAS technical support | WWW: | www.etas.com/en/hotlines.php |